

Title (en)

Line scanning colour image copier with automatic exposure control depending upon the type of light-sensitive material

Title (de)

Farbbildkopierer mit Zeilenabtastung und automatischer Belichtungssteuerung abhängig vom Typ des lichtempfindlichen Materials

Title (fr)

Photocopieur couleur à balayage par lignes pour images en couleur, avec contrôle automatique d'exposition en fonction du type du matériau photosensible

Publication

**EP 0682439 B1 20000112 (EN)**

Application

**EP 95107089 A 19950510**

Priority

JP 9749194 A 19940511

Abstract (en)

[origin: EP0682439A2] The improved image forming apparatus comprises: scan exposure unit for performing slit scan exposure on a light-sensitive material being transported in synchronism with the scanning of an original image; a line sensor that is provided in an optical path branching from the optical path of slit exposing light and that reads said original image prior to the slit scan exposure of said light-sensitive material; a memory for storing image signals as read by said line sensor; a monitor for displaying a monitor image using the stored image signals; stored in said memory; device for designating the principal area of said original image from the monitor image; and exposure computing unit for computing the conditions for proper exposure using both the information on the principal area and the image signals stored in said memory. The apparatus is compatible with not only negative light-sensitive materials but also positive light-sensitive materials, uses exposure optics and a light-sensitive material as appropriate for the specific type of an original of interest to insure the production of finished prints of invariably proper quality by adopting the proper conditions exposure, and thusly enables unskilled general users to form proper image at low cost and in an easy and rapid manner. <IMAGE>

IPC 1-7

**H04N 1/60**; G03B 27/72; G03B 27/48

IPC 8 full level

**G03B 27/72** (2006.01); **H04N 1/387** (2006.01); **H04N 1/60** (2006.01)

CPC (source: EP US)

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